

ABSTRACT

A method for treatment of uranium-containing wastes, which realizes the decontamination of steel-based metallic wastes such as
5 carbon steel or stainless steel containing nuclear fuel materials such as uranium or plutonium, produced from nuclear facilities, simultaneously with the reduction of volume thereof. Spent nuclear fuel (uranium) 6, which is mixed with hull 5 as stainless-based metal, is separated from the stainless-based metal, through the separation of uranium that
10 constitutes the spent nuclear fuel 6 as oxides by melting the stainless-based metal wastes.